

USSN: 09/260,624

Filing Date: March 1, 1999

### Amendments to the Claims

Please amend the claims as follows:

1. (Currently Amended) A method for inhibiting cell proliferation ~~in an individual in vivo~~ comprising administering to ~~said individual~~ a proliferating cell a composition comprising a RAD51 antisense molecule comprising SEQ ID NO. 1 or SEQ ID NO. 2 thereby inhibiting said cell proliferation.

2. (Currently Amended) A method for inducing sensitivity to radiation ~~in an individual in vivo~~ comprising administering to ~~said individual~~ a proliferating cell a composition comprising a RAD51 antisense molecule comprising SEQ ID NO. 1 or SEQ ID NO. 2 thereby inducing said sensitivity to radiation.

3. (Currently Amended) A method for inducing sensitivity to a chemotherapeutic agent ~~in an individual in vivo~~ comprising administering to ~~said individual~~ a proliferating cell a composition comprising a RAD51 antisense molecule comprising SEQ ID NO. 1 or SEQ ID NO. 2 thereby inducing said sensitivity to a chemotherapeutic agent.

4. (Currently Amended) A method for inhibiting the growth of a cancerous cell comprising administering to said cell a composition comprising a RAD51 antisense molecule comprising SEQ ID NO. 1 or SEQ ID NO. 2 thereby inhibiting said growth of a cancerous cell.

5. (Currently Amended) A method for inducing sensitivity to radiation in a cancerous cell comprising administering to said cell a composition comprising RAD51 antisense molecule comprising SEQ ID NO. 1 or SEQ ID NO. 2 thereby inducing said sensitivity to radiation.

6. (Currently Amended) A method for inducing sensitivity to a chemotherapeutic agent in a cancerous cell comprising administering to said cell a composition comprising RAD51 antisense molecule comprising SEQ ID NO. 1 or SEQ ID NO. 2 thereby inducing said sensitivity to a chemotherapeutic agent.

7. (Canceled)

8. (Original) The method of Claim 1 further comprising the step of administering radiation.

9. (Amended) A method of prolonging the survival of a cell ~~an individual~~ comprising administration to said cell ~~individual~~ a RAD51 antisense molecule comprising SEQ ID NO. 1 or SEQ ID NO. 2 thereby prolonging said survival.

10. (Currently Amended) A method of treating cancer in a population of cells ~~an individual~~ comprising administration to said population of cells ~~individual~~ a RAD51 antisense molecule comprising SEQ ID NO. 1 or SEQ ID NO. 2 thereby treating said cancer in said population of cells ~~an individual~~.

11. (Canceled)

USSN: 09/260,624

Filing Date: March 1, 1999

12. (Currently Amended) A method according to ~~claim 11~~ claim 10 wherein said method further comprises radiation treatment ~~at said site~~.

13. (Currently Amended) A method according to ~~claim 11~~ claim 10 wherein said method further comprises chemotherapeutic treatment ~~of said patient~~.

14-18 (Canceled)

19. (Currently Amended) The method of Claim ~~[[18]]~~ 2, wherein said administering is by injection.

20-21 (Canceled)

22. (Amended) The method of Claim ~~[[21]]~~ 3, wherein said ~~administering~~ administration is by injection.

23-24 (Canceled)

25. The method of Claim ~~[[24]]~~ 9, wherein said ~~administering~~ administration is by injection.

26-27. (Canceled)

28. (Currently Amended) The method of Claim ~~[[11]]~~ 10, wherein said ~~administering~~ administration is by injection ~~to a tumor~~.